## EAST Search History

| Ref # | Hits | Search Query   | DBs                    | Default<br>Operator | Plurals | Time Stamp          |
|-------|------|--|------------------------|---------------------|---------|---------------------|
| S1    | 3    | ("4250459" "4531165"<br>"5442328").pn.   | US-<br>PGPUB;<br>USPAT | OR                  | ON      | 2008/07/21<br>08:47 |
| 82    | 2444 | 375/229,232,230.ccls.  | US-<br>PGPUB;<br>USPAT | OR                  | ON      | 2008/07/21<br>16:18 |
| SS    | 78   | \$\text{SQ}\$ and (short-term short adj term high adj (pass frequency)) and (long-term long adj term low adj (pass frequency)) and peak with detect\$3 | US-<br>PGPUB;<br>USPAT | OR                  | ON      | 2008/07/21<br>16:20 |
| S4    | 57   | S3 and (feedback feed\$3 near2 back)   | US-<br>PGPUB;<br>USPAT | OR                  | ON      | 2008/07/21<br>16:20 |
| S5    | 2445 | 375/229,232,230.ccls.  | US-<br>PGPUB;<br>USPAT | OR                  | ON      | 2008/07/22<br>11:25 |
| S6    | 20   | S5 and feedback and<br>((high and low) adj pass<br>adj filter (hpf and lpf))<br>and comparator   | US-<br>PGPUB;<br>USPAT | OR                  | ON      | 2008/07/22<br>11:25 |
| S7    | 6    | S5 and feedback same<br>((high and low) adj pass<br>adj filter (hpf and lpf))<br>and comparator  | US-<br>PGPUB;<br>USPAT | OR                  | ON      | 2008/07/22<br>11:26 |
| S8    | 29   | ((MAARTEN) near2<br>(KUIJK)).INV.  | US-<br>PGPUB;<br>USPAT | OR                  | ON      | 2008/07/22<br>11:42 |
| S9    | 45   | (Vrije with Universiteit with brussel VUB).as.   | US-<br>PGPUB;<br>USPAT | OR                  | ON      | 2008/07/22<br>11:45 |
| S10   | 5    | S8 and S9  | US-<br>PGPUB;<br>USPAT | OR                  | ON      | 2008/07/22<br>11:45 |
| S11   | 69   | S8 S9  | US-<br>PGPUB;<br>USPAT | OR                  | ON      | 2008/07/22<br>11:45 |

| S12  | O   | S11 and ((equalizer<br>equaliser) and feedback<br>and peak adj dectect\$3<br>and filter and (high adj<br>pass high-pass) and (low<br>adj pass low-pass)).clm. | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>11:46 |
|------|-----|---|------------------------|----|----|---------------------|
| S13  | 0   | S11 and ((equalizer<br>equaliser) and feedback<br>and peak adj dectect\$3<br>and filter and (high adj<br>pass high-pass) ).clm.                               | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>11:47 |
| S14  | 1   | S11 and ((equalizer<br>equaliser) and feedback<br>and peak adj detect\$3<br>and filter and (high adj<br>pass high-pass) ).clm.                                | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>11:47 |
| S15  | 1   | S11 and ((equalizer<br>equaliser) and feedback<br>and peak adj detect\$3<br>and filter).clm.  | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>11:47 |
| S16  | 1   | S11 and ((equalizer equaliser) and feedback). clm.  | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>11:47 |
| S17  | 4   | S11 and (equalizer equaliser).clm.  | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>11:47 |
| S18  | 3   | S11 and ((equalizer<br>equaliser) and (feed-<br>back feedback)).clm.  | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>11:58 |
| S19  | 113 | (equaliz\$5 equalis\$5)<br>and (feedback feed-<br>back) same ((high-pass<br>highpass) same (low-<br>pass lowpass)) with filter                                | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>12:00 |
| S20  | 31  | (equaliz\$5 equalis\$5)<br>and (feedback feed-<br>back) with ((high-pass<br>highpass) with (low-pass<br>lowpass)) with filter                                 | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>12:00 |
| \$21 | 5   | (equaliz\$5 equalis\$5)<br>and (feedback feed-<br>back) with ((high-pass<br>highpass) same (low-<br>pass lowpass)) with filter<br>same comparator             | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22          |

| S22  | 7   | (equaliz\$5 equalis\$5)<br>and (feedback feed-<br>back) with ((high-pass<br>highpass high near2<br>frequency) same (low-<br>pass lowpass low near2<br>fresq lowpass low near2<br>fresq lowpass low near2<br>area comparator | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>12:03 |
|------|-----|---|------------------------|----|----|---------------------|
| S23  | 2   | S22 not S21   | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>12:03 |
| \$24 | 51  | limit\$3 adj amplifier with equalizer   | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>12:06 |
| S25  | 93  | (equaliz\$5 equalis\$5)<br>and (feedback feed-<br>back) with high adj<br>frequency with (attenuat<br>\$3 compensat\$3)  | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>12:41 |
| S26  | 28  | (equaliz\$5 equalis\$5)<br>same (feedback feed-<br>back) with high adj<br>frequency with (attenuat<br>\$3 compensat\$3)   | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>12:41 |
| S27  | 13  | equaliz\$5 same<br>overshoot with peak  | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>14:19 |
| S28  | 7   | S27 and low adj pass adj<br>filter  | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>14:20 |
| S29  | 48  | (multi-stage multi adj<br>stage cascad\$3) with<br>adaptive adj equaliz\$5  | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>15:59 |
| S30  | 2   | equaliz\$5 and overshoot<br>with peak with (low-pass<br>low adj pass) adj filter\$3   | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>16:34 |
| S31  | 13  | equaliz\$5 same<br>overshoot with peak  | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>16:35 |
| S32  | 106 | equaliz\$5 and overshoot<br>with peak   | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>16:41 |
| S33  | 23  | equaliz\$5 and overshoot<br>with peak same<br>(compensat\$3 remov\$3)   | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>16:41 |

| S34        | 33 | equaliz\$5 and overshoot<br>with peak same<br>(compensat\$3 remov\$3<br>filter\$3)         | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>16:41 |
|------------|----|--|------------------------|----|----|---------------------|
| S35        | 55 | equaliz\$5 and overshoot<br>with (low-pass low adj<br>pass) adj filter\$3                  | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>17:10 |
| S36        | 7  | equaliz\$5 same<br>overshoot with (low-pass<br>low adj pass) adj filter\$3                 |                        | OR | ON | 2008/07/22<br>17:10 |
| <b>S37</b> | 26 | overshoot with<br>(compensat\$3 remov\$3)<br>with (low-pass low adj<br>pass) adj filter\$3 | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/07/22<br>17:13 |

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